Practitioner's Docket No. 200300086

10/585960

CHAPTER II

Preliminary Classification:

Proprosed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' "M.P.E.P. Section 601, 7th ed.

TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US)

(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

PCT/US05/00	0753	11 January 2005	60/	539,409	27 January 2004
INTERNATION	AL APPLICATION NO.	INTERNATIONAL FILING	DATE	PRIORITY	DATE CLAIMED
PROCESS FO	OR REMOVING MIC	CROBUBBLES FROM A	LIQUID)	
TITLE OF INVE	NTION				
Larry Yen, Ja	y Duffner and Saksat	ha Ly			
APPLICANT(S)					
	CER'	FIFICATION UNDER 37 C.	F.R. SECT	TON 1.10*	<u> </u>
	021	(Express Mail label number			
		(Express Mail certification	is optional	!.)	
		ed to the: Assistant Commission	oner for Pa		
			pe or print	yame of person	n mailing paper) Bunkley
		Si	gnature of	person mailing	paper
WARNING:		(first class) or facsimile trans of mailing or transmission for		-	Z.F.R. Section 1.8 cannot be
*WARNING:	thereon prior to mail	ng. 37 C.F.R. Section 1.10(b).		•	ess Mail" mailing label placed
	"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition.' Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.				

(Transmittal Letter to the United States Elected Office (EO/US)--page 1 of 8)

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Box PCT Commissioner for Patents Alexandria, Virginia 22313-1450 ATTENTION: EO/US

NOTE: To avoid abandonment of the application, the applicant shall furnish to the USPTO, not later than 20 months from the priority date: (1) a copy of the international application, unless it has been previously communicated by the International Bureau or unless it was originally filed in the USPTO; and (2) the basic national fee (see 37 C.F.R. Section 1.492(a)). The 30-month time limit may not be extended. 37 C.F.R. Section 1.495.

WARNING:

Where the items are those which can be submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. Section 1.10 must be used (since international application papers are not covered by an ordinary certificate of mailing - See 37 C.F.R. Section 1.8.

NOTE: Documents and fees must be clearly identified as a submission to enter the national state under 35 USC 371 otherwise the submission will be considered as being made under 35 U.S.C. Section 111. 37 C.F.R. Section 1.494(f).

- 1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. 371:
 - a. [X] This express request to immediately begin national examination procedures (35 U.S.C. Section 371(f)).
 - b. [X] The U.S. National Fee (35 U.S.C. Section 371(c)(1)) and other fees (37 C.F.R. Section 1.492) as indicated below:

	,		T		
CLAIMS FEE	(I) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULA- TIONS
[X]*	TOTAL CLAIMS	22-20 =	2	x \$ 50.00 =	\$ 100.00
	INDEPENDENT CLAIMS	3-3=	3	x \$ 200.00 =	\$ 0
	MULTIPLE DEPE	NDENT CLAIM(S) (if	applicable) + \$270.0	00	\$
BASIC FEE**	[X] U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an International preliminary examination fee as set forth in Section 1.482 has been paid on the international application to the U.S. PTO: [] and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(2) to (4) have been satisfied for all the claims presented in the application entering the national stage (37 C.F.R. Section 1.492(a)(4))		690.00		
		prepared by the Europ Office (37 C.F.R. Sect		-	\$
			Total	of above Calculations	=790.00
SMALL ENTITY	Reduction by 1/2 for 37 C.F.R. Sections	or filing by small entity, 1.9, 1.27, 1.28)	if applicable. Affidav	rit must be filed. (note	-
			- 10	Subtotal	790.00
		·		Total National Fee	\$790.00
	Fee for recording the Item 13 below). See	s			
TOTAL				Total Fees enclosed	\$790.00

^{*} See attached Preliminary Amendment Reducing the Number of Claims.

) J. Y . 1		<u> </u>
enclosed IPTO	13	JUL	2006

	i. ii.	[] [X] A dupli	A check in the amount of to cover the above the senciosed 1710 13 Please charge Account No to the amount of \$ 790.00. cate copy of this sheet is enclosed.		
** WARNING:		"To avoid abandonment of the application the applicant shall furnish to the United States Patent and Trademark Office not later than the expiration of 30 months from the priority date: * * * (2) the basic national fee (see Section 1.492(a)). The 30-month time limit may not be extended." 37 C.F.R. Section 1.495(b).			
WARNIN	VG:	the appli period se 1.492(e) the prior an Englis requirem	inslation of the international application and/or the oath or declaration have not been submitted by cant within thirty (30) months from the priority date, such requirements may be met within a time at by the Office. 37 C.F.R. Section 1.495(b)(2). The payment of the surcharge set forth in Section is required as a condition for accepting the oath or declaration later than thirty (30) months after ity date. The payment of the processing fee set forth in Section 1.492(f) is required for acceptance of the translation later than thirty (30) months after the priority date. Failure to comply with these ents will result in abandonment of the application. The provisions of Section 1.136 apply to the hich is set. Notice of Jan. 3, 1993, 1147 O.G. 29 to 40.		
3.	[X]	А сору	of the International application as filed (35 U.S.C. Section 371(c)(2)):		
NOTE:	OTE: Section 1.495 (b) was amended to require that the basic national fee and a copy of the international application be filed with the Office by 30 months from the priority date to avoid abandonment "The International Bureau in provides the copy of the international application to the Office in accordance with PCT Article 20. At the same the International Bureau notifies applicant of the communication to the Office. In accordance with PCT Rule 4 that notice shall be accepted by all designated offices as conclusive evidence that the communication has duly place. Thus, if the applicant desires to enter the national stage, the applicant normally need only check to be so notice from the International Bureau has been received and then pay the basic national fee by 30 months from priority date." Notice of Jan. 7, 1993, 1147 O.G. 29 to 40, at 35-36. See item 14c below.				
	a. b.	[] [X]	is transmitted herewith. is not required, as the application was filed with the United States Receiving Office.		
	c.	[] i. ii.	has been transmitted [] by the International Bureau. Date of mailing of the application (from form PCT/IB/308): [] by applicant on Date		
4.	[X] a. b.		ation of the International application into the English language (35 U.S.C. 371(c)(2)): is transmitted herewith. is not required as the application was filed in English.		
	c.		was previously transmitted by applicant on		
	d.	[]	will follow.		

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5.			Section 371(c)(3)): Market Section 371(c)(3)): Market Section under PCT Article 19 (35)
NOTE:	continui deadline subject r amendm	ng practic may not l matter of the	tary 7, 1993 points out that 37 C.F.R. Section 1.495(a) was amended to clarify the existing and the entitle 19 amendments must be submitted by 30 months from the priority date and this be extended. The Notice further advises that: "The failure to do so will not result in loss of the he PCT Article 19 amendments. Applicant may submit that subject matter in a preliminary under Section 1.121. In many cases, filing an amendment under Section 1.121 is preferable since iomatic errors may be corrected." 1147 O.G. 29-40, at 36.
	a.		are transmitted herewith.
	b.	[]	have been transmitted
		i.	by the International Bureau. Data of mailing of the amendment (from form PCT/IP/208):
		ii.	Date of mailing of the amendment (from form PCT/IB/308): [] by applicant on
		11.	Date
	c.	[X]	have not been transmitted as
		i.	[X] applicant chose not to make amendments under PCT Article 19.
			Date of mailing of Search Report (from form PCT/ISA/210):
		ii.	[] the time limit for the submission of amendments has not yet expired. The
			amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.
6.	[X]	A trans	slation of the amendments to the claims under PCT Article 19 (38 U.S.C. Section (3)):
	a.	[]	is transmitted herewith.
	b.	[]	is not required as the amendments were made in the English language.
	c.	[X]	has not been transmitted for reasons indicated at point 5(c) above.
7.	[X]		of the international examination report (PCT/IPEA/409)
		[X]	is transmitted herewith.
		[]	is not required as the application was filed with the United States Receiving Office.
8.	[X]	Annex	(es) to the international preliminary examination report
	a.	[]	is/are transmitted herewith.
	b.	[X]	is/are not required as the application was filed with the United States Receiving Office.
9.	[X]		slation of the annexes to the international preliminary examination report is transmitted herewith.
	a. b.	[] [X]	is not required as the annexes are in the English language.
	U.	LZNJ	is not required as the annexes are in the English language.

10.	[X]	An oath or declaration of the inventor (35 U.S.C. Section 371(c)(4)) complying with 35 U.S.C. 115			
	a.	[]	was previously submitted by applicant on		
	b. с.	[X] i. ii.	Date is submitted herewith, and such oath or declaration [] is attached to the application. [X] identifies the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b); and states that they were reviewed by the inventor as required by 37 C.F.R. Section 1.70. will follow.		
Other	docume	nt(s) or	information included:		
11.	[X]	An In 17(2)(ternational Search Report (PCT/ISA/210) or Declaration under PCT Article (a):		
	a.	[X]	is transmitted herewith.		
	b.	[]	has been transmitted by the International Bureau. Date of mailing (from form PCT/IB/308):		
	c.	[]	is not required, as the application was searched by the United States International Searching Authority.		
	d.	[]	will be transmitted promptly upon request.		
	e.	[]	has been submitted by applicant on		
			Date		
12.	[X]	An In:	formation Disclosure Statement under 37 C.F.R. Sections 1.97 and 1.98:		
	a.	[X]	is transmitted herewith.		
		[X]	Also transmitted herewith is/are: Form PTO-1449 (PTO/SB/08A and 08B).		
		[X]	Copies of citations listed.		
	b.	[]	will be transmitted within THREE MONTHS of the date of submission of		
			requirements under 35 U.S.C. Sections 371(c).		
	C.	[]	was previously submitted by applicant on		
			Date		
13.	[]	An as	signment document is transmitted herewith for recording.		
	A sepa	arate []	"COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or[] FORM PTO 1595 is also attached.		

14.	[x]	Additional documents: [x] Copy of request (PCT/RO/101)						
	a. b.	[x] Copy of request (PCT/RO/101)						
	0.	i. [x] Specification, claims and drawing						
		ii. [] Front page only						
	c.	Preliminary amendment (37 C.F.R. Section 1.121)						
	d.	[X] Other						
		PCT/IB/306 – Notification of the Recording of a Change, Copy of Request						
15.	[x]	The above checked items are being transmitted						
	a.	[x] before 30 months from any claimed priority date.						
	b.	[] after 30 months.						
16.	[]	Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on, namely:						
		AUTHORIZATION TO CHARGE ADDITIONAL FEES						
WARN	ING:	Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.						
NOTE:	"A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under Section 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely							

submission. Submission of the fee set forth in Section 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. Section 1.136(a)(3).

NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. Section 1.26(a).

- The Commissioner is hereby authorized to charge the following additional fees that may [x] be required by this paper and during the entire pendency of this application to Account No. 501-908.
 - 37 C.F.R. Section 1.492(a)(1), (2), (3), and (4) (filing fees) [x]

WARNING:

Because failure to pay the national fee within 30 months without extension (37 C.F.R. Section 1.495(b)(2)) results in abandonment of the application, it would be best to always check the above box.

[x] 37 C.F.R. Section 1.492(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. Section 1.492(d)), it might be best not to authorize the PTO to charge additional claim fees, except possible when dealing with amendments after final action.

- [x] 37 C.F.R. Section 1.17 (application processing fees)
- [x] 37 C.F.R. Section 1.17(a)(1)-(5)(extension fees pursuant to Section 1.136(a).
- [] 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. Section 1.311(b).

NOTE: 37 C.F.R. 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee." From the wording of 37 C.F.R. Section 1.28(b):
(a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

[] 37 C.F.R. Section 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 30 months after the priority date).

SIGNATURE OF PRACTITIONER

Timothy J. King

(type or print name of practitioner)

Entegris, Inc.

129 Concord Road

P.O. Address

Billerica, MA 01821-4600

Reg. No.: 38,204

Tel. No.: (978) 436-6582

Customer No.:

29621

PATENT TRADEMARK OFFIC